

**Notice of Allowability**

Application No.

10/091,976

Applicant(s)

ENRIQUEZ ET AL.

Examiner

Art Unit

Alexander Jamal

2643

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.


1. ☒ This communication is responsive to amendment filed via RCE filed 8-26-2005.
2. ☒ The allowed claim(s) is/are 36 and 38-58.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

  
CURTIS KOHNZ  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☒ Other pto-413b.

## DETAILED ACTION

### *Response to Applicant's Amendment*

1. Based upon the submitted amendments (via RCE) received 8-26-2005, examiner notes that claims 1-35 have been cancelled and claims 36-58 have been added.
2. Examiner notes that an examiner's amendment (shown below) has been entered to move the limitations of claim 37 into claim 36 and to cancel claim 37.
3. Examiner withdraws all rejections to all claims.

### *Examiner's Amendment*

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Charles E. Wands (25649) on 10-4-2005.

The application has been amended as follows:

**Claim 36.** A subscriber line interface circuit comprising;  
a high voltage analog section, containing analog operational  
circuits, operational parameters or which are programmable in  
accordance with respective bias currents supplied thereto, and to  
which power sufficient for any signaling conditions of tip and

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ring conductors of a respective subscriber loop pair is supplied, and being operative to drive said tip and ring conductors of said respective subscriber loop pair in accordance with analog input and analog control signals supplied thereto; and

a low voltage digitally programmable signal generation and digital signal processing section, that is operative to interface voice and ringing signals with said analog circuits of said high voltage analog section and to monitor and control operational characteristics of said analog circuits of said high voltage section, said low voltage digitally programmable signal generation and digital signal processing section including

a digital signal processor (DSP) based codec, that is operative to interface said voice and ancillary signals, including low voltage signaling, and ringing signals with said analog circuits of said high voltage analog section; and

a supervisory digital signal processor, separate from said codec, that is operative to program respective values of bias currents that control operational parameters of respective ones of said analog operational circuits, said bias currents as programmed by said supervisory digital signal processor being coupled to said analog operational circuits and thereby establishing said programmable operational parameters thereof.

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wherein said high voltage section includes a control and latch interface unit that is operative to receive and store from said supervisory digital signal processor a plurality of digital input signals for defining values of said bias currents through which said operational parameters of said respective ones of said analog operational circuits of said high voltage section are established.

**Claim 37** has been cancelled.


***Allowable Subject Matter***

5. **Claims 36,38-58** are allowed over the prior art of record

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Jamal whose telephone number is 571-272-7498. The examiner can normally be reached on M-F 9AM-6PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis A Kuntz can be reached on 571-272-7499. The fax phone numbers for the organization where this application or proceeding is assigned are **571-273-8300** for regular communications and **571-273-8300** for After Final communications.

AJ  
October 4, 2005

  
CURTIS KUNTZ  
SUPERVISORY PATENT/EXAMINER  
TECHNOLOGY CENTER 2600